

SOUTHEASTERN FEDERAL POWER ALLIANCE

SAD WATER MANAGEMENT OVERVIEW

Trent Ferguson, P.E.
Water Management
South Atlantic Division
June 7, 2023



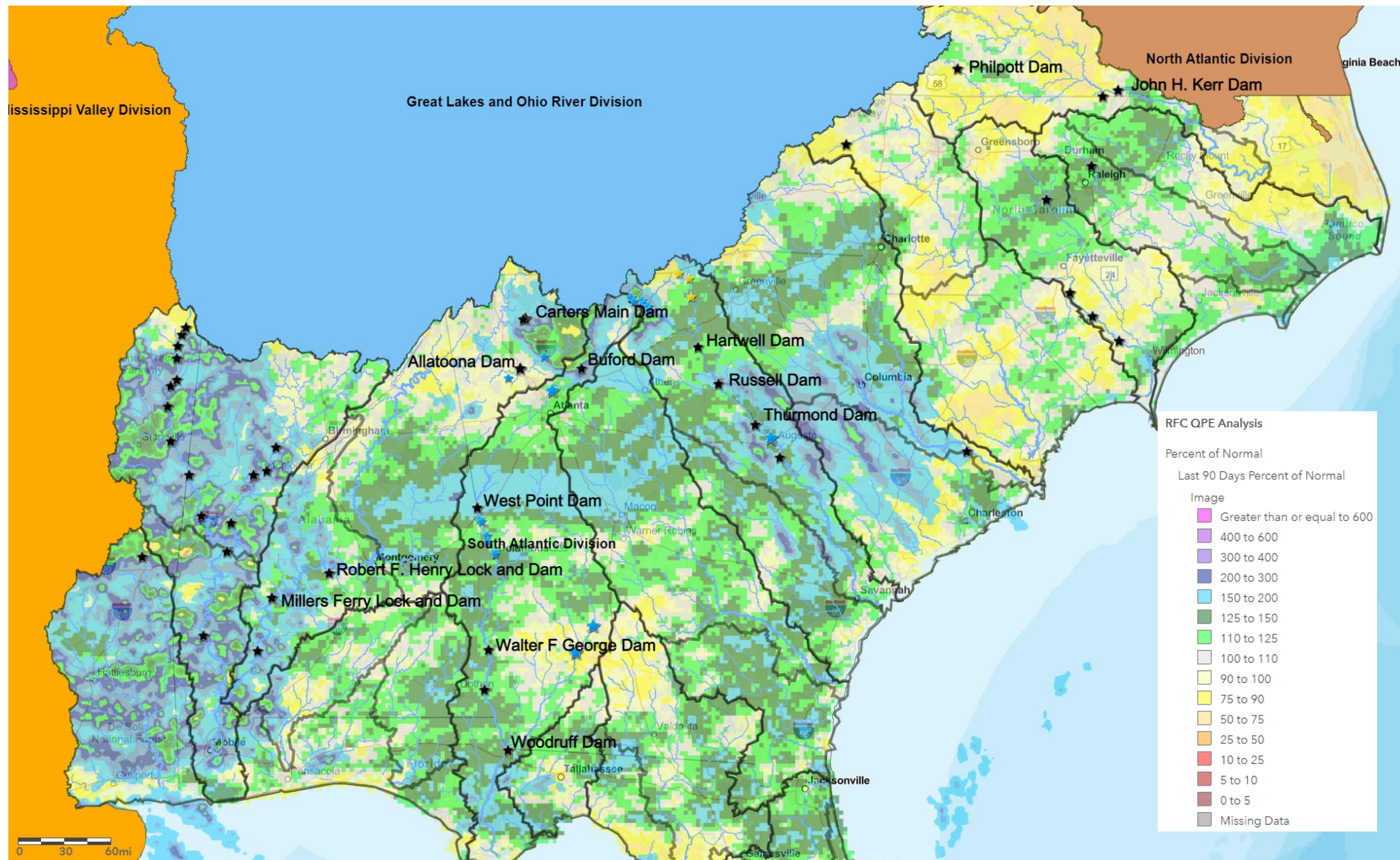
US Army Corps
of Engineers®



AGENDA



- Rainfall Departure Last 90 Days
- U.S. Drought Monitor
- WPC Three Month Outlook
- Reservoir Status and Projections
 - Mobile District
 - Savannah District
 - Wilmington District
- Questions





DROUGHT MONITOR

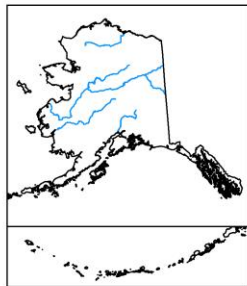
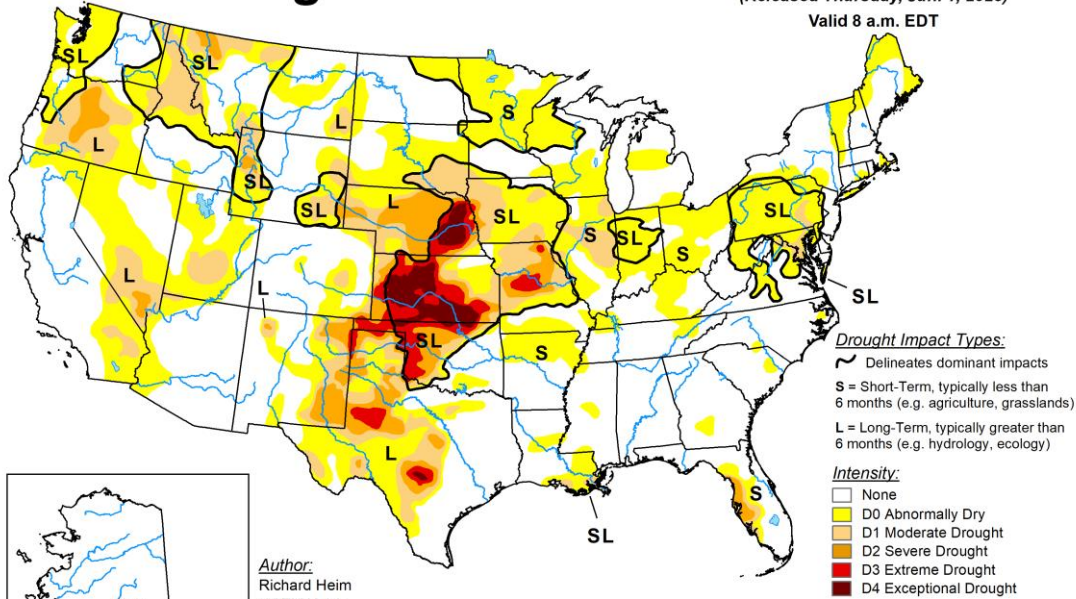


U.S. Drought Monitor

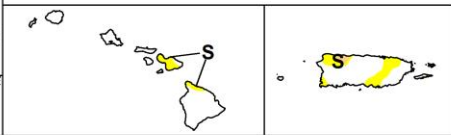
May 30, 2023

(Released Thursday, Jun. 1, 2023)

Valid 8 a.m. EDT



Author:
Richard Heim
NCEI/NOAA



The Drought Monitor focuses on broad-scale conditions.
Local conditions may vary. For more information on the
Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>



droughtmonitor.unl.edu

U.S. Drought Monitor Southeast Climate Region

May 30, 2023

(Released Thursday, Jun. 1, 2023)

Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	88.70	11.30	3.19	1.56	0.00	0.00
Last Week 05-23-2023	82.97	17.03	5.16	2.95	1.65	0.00
3 Months Ago 02-28-2023	77.04	22.96	13.27	0.00	0.00	0.00
Start of Calendar Year 01-03-2023	58.28	41.72	20.33	4.97	0.00	0.00
Start of Water Year 09-27-2022	66.45	33.55	5.38	0.21	0.00	0.00
One Year Ago 05-31-2022	75.48	24.52	10.41	3.05	0.00	0.00

Intensity:



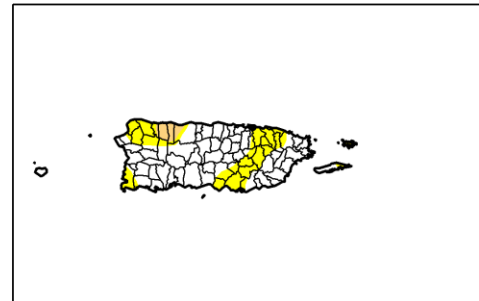
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WPC THREE MONTH OUTLOOK

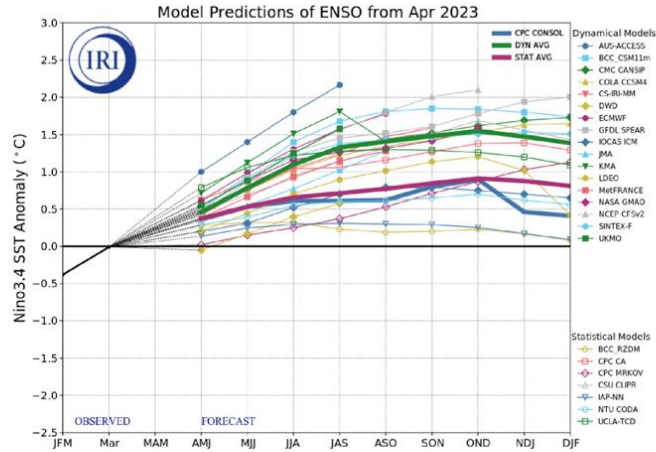


Figure 6. Forecasts of sea surface temperature (SST) anomalies for the Niño 3.4 region (5°N-5°S, 120°W-170°W). Figure updated 19 April 2023 by the International Research Institute (IRI) for Climate and Society.

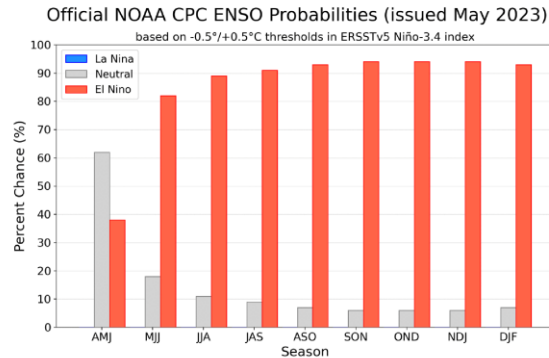
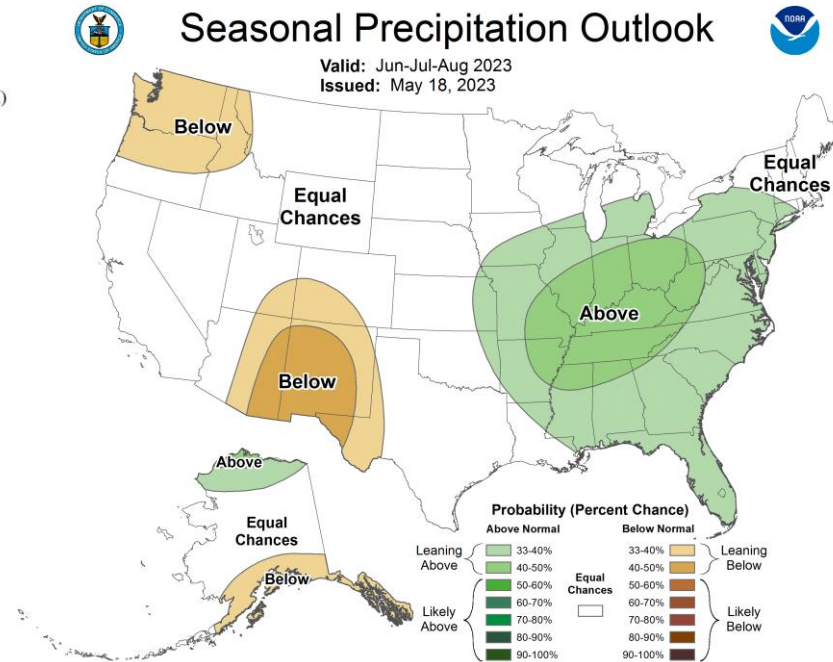
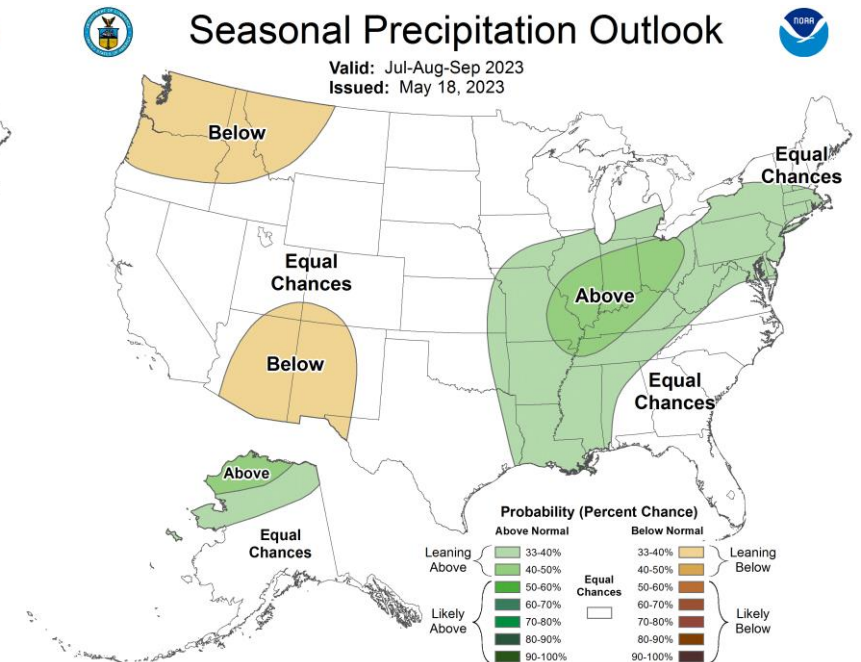


Figure 7. Official ENSO probabilities for the Niño 3.4 sea surface temperature index (5°N-5°S, 120°W-170°W). Figure updated 11 May 2023.

- Current transitioning from Neutral to El Niño conditions.
- During summer months El Niño has little effect on rainfall totals
- It does tend to shear storms off later in the hurricane season reducing tropical storms



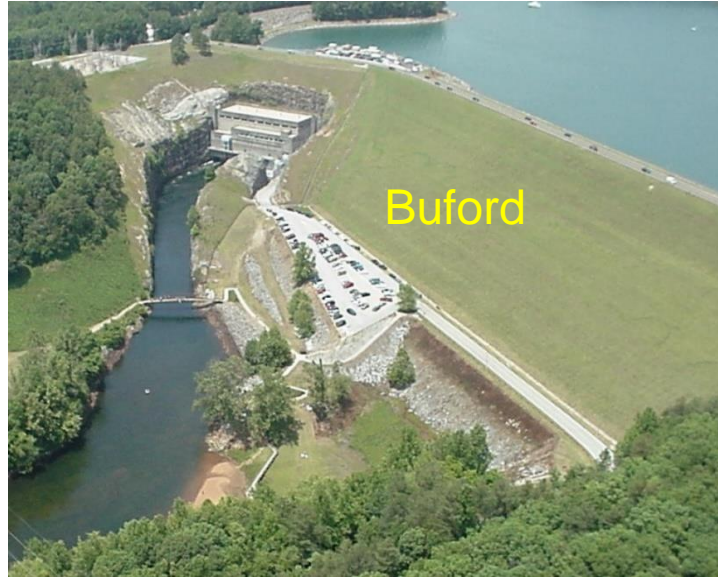
Jun-Jul-Aug



Jul-Aug-Sep



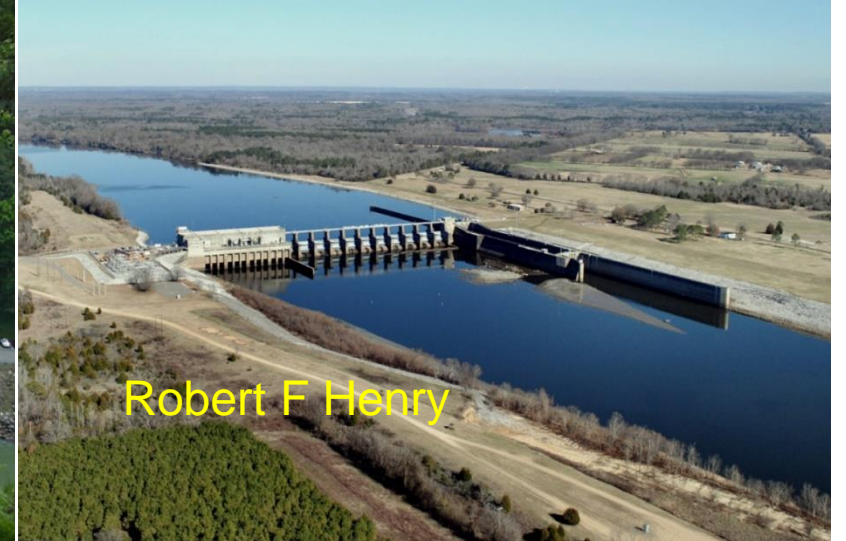
MOBILE DISTRICT



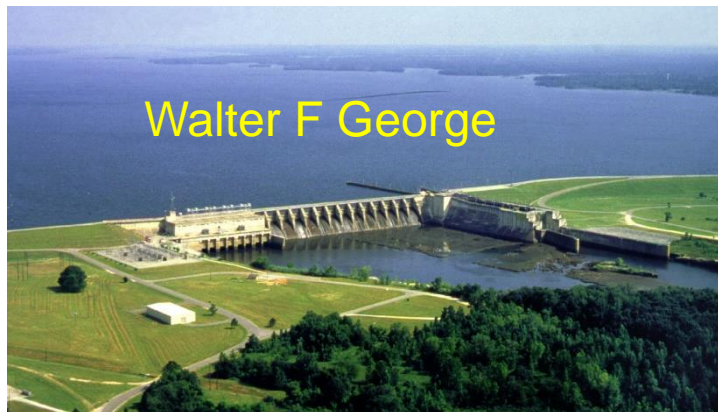
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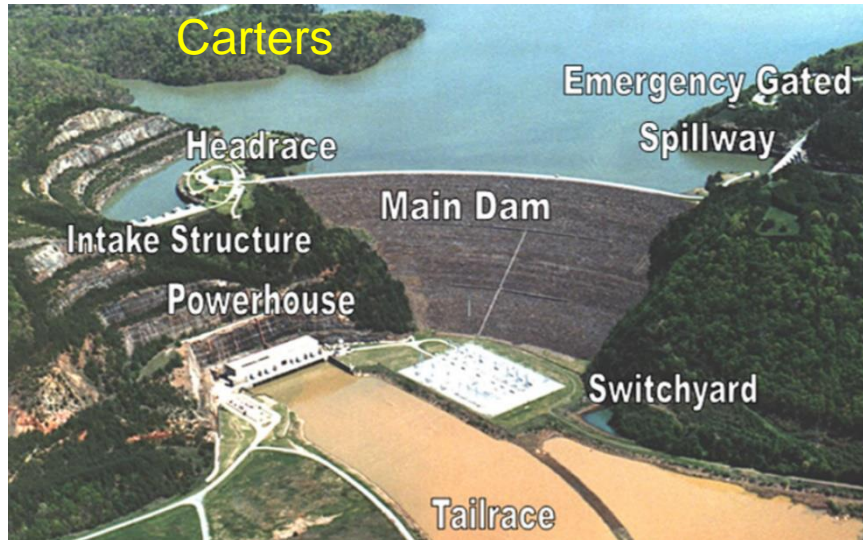
Allatoona



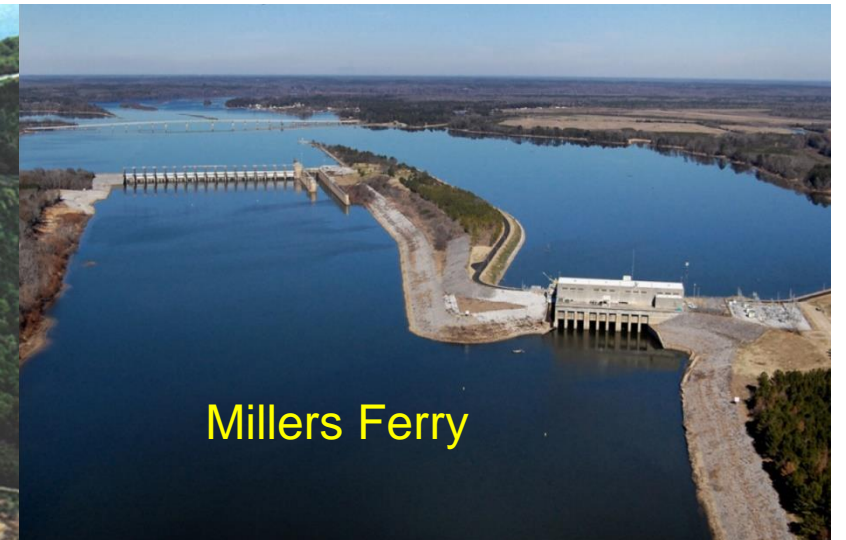
Robert F Henry



Walter F George



Carters



Millers Ferry



ALABAMA-COOSA-TALLAPOOSA (ACT)

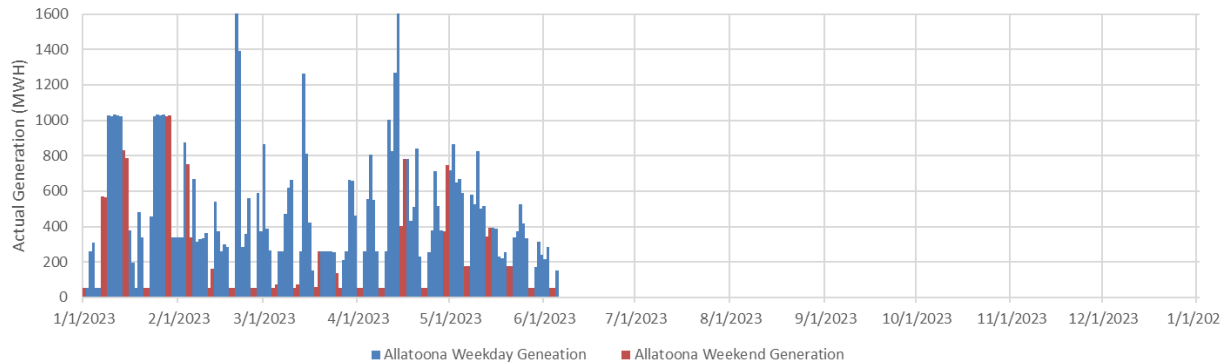
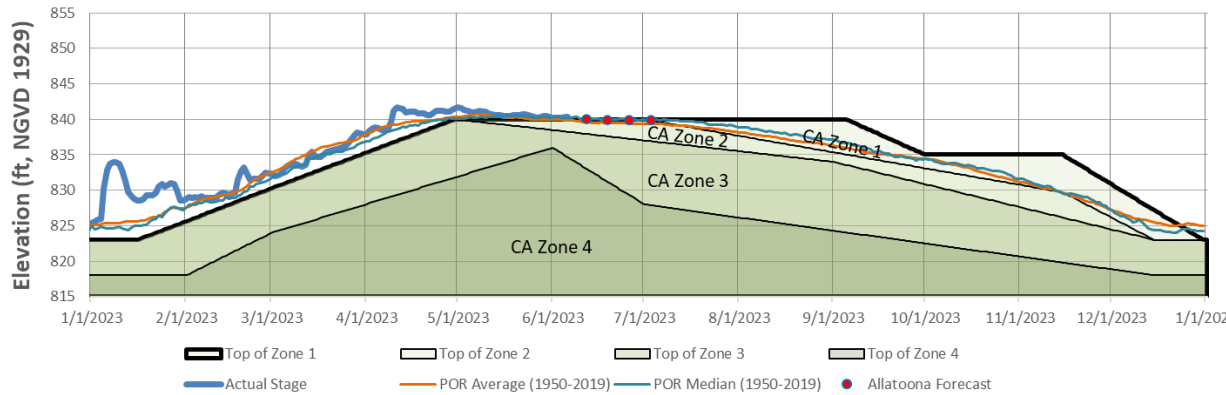
UPPER ACT CURRENT CONDITIONS AND FORECAST

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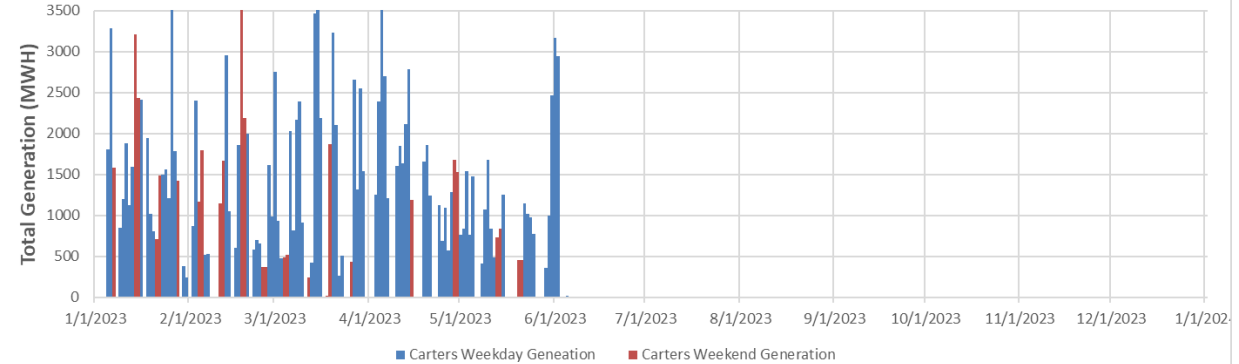
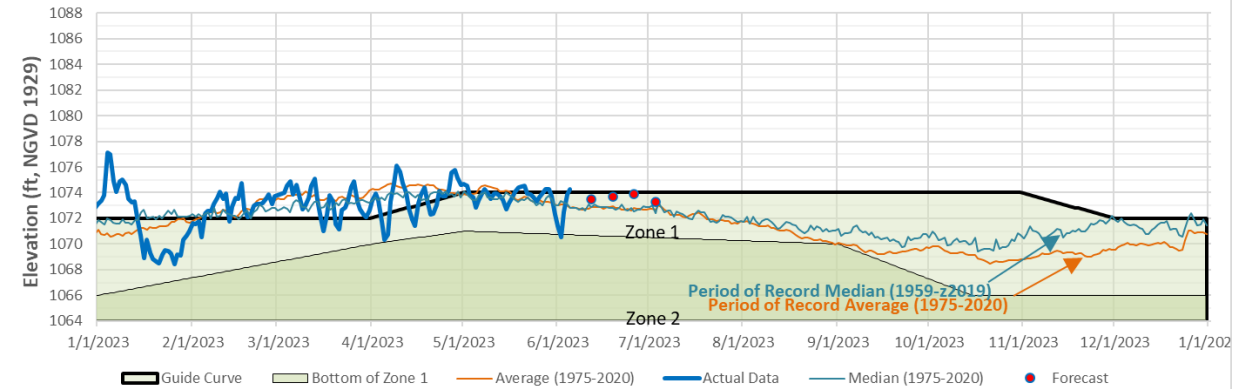
ALLATOONA DAM

Alabama-Coosa-Tallapoosa (ACT) Basin, ETOWAH RIVER, GEORGIA



CARTERS DAM

Alabama-Coosa-Tallapoosa (ACT) Basin, COOSAWATTEE RIVER, GEORGIA



Water Levels are as of mid-night 06 June 2023

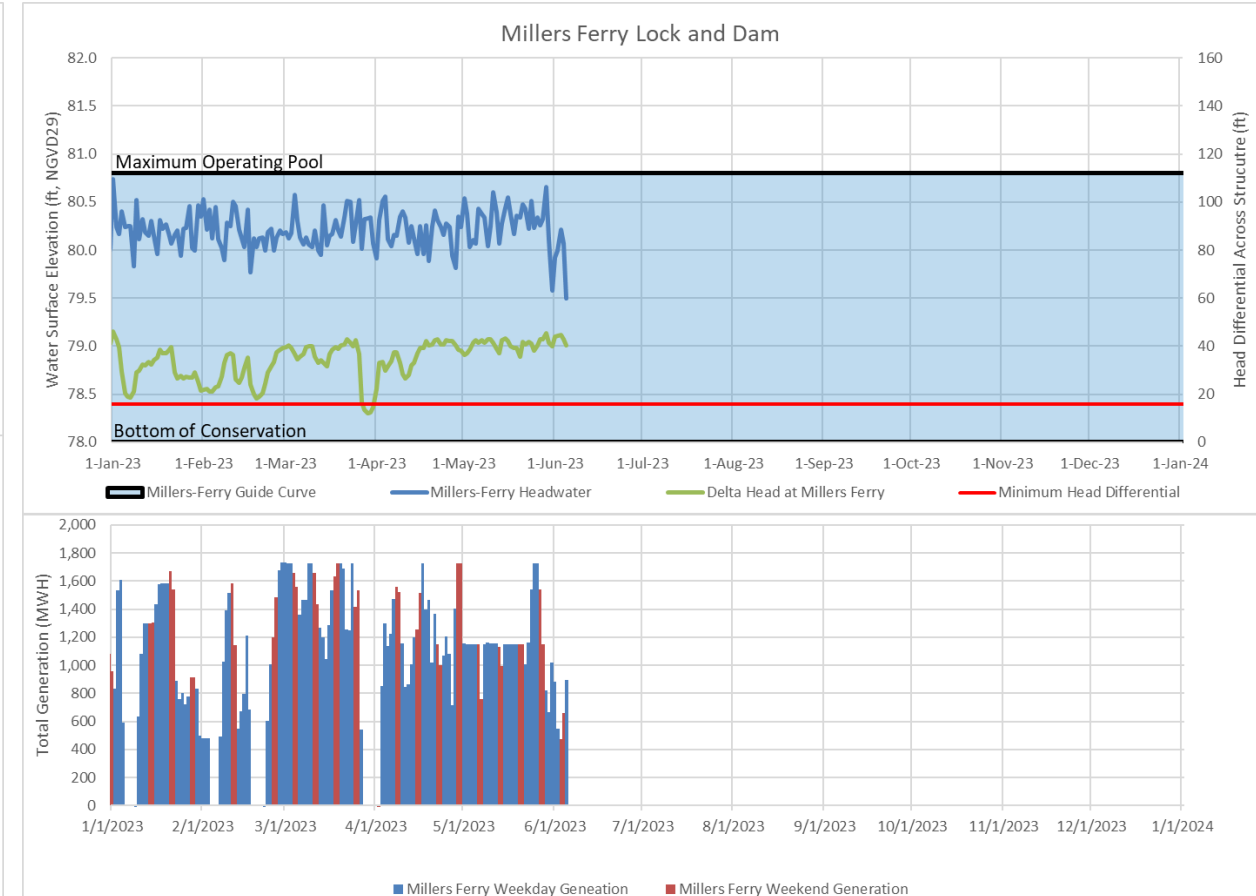
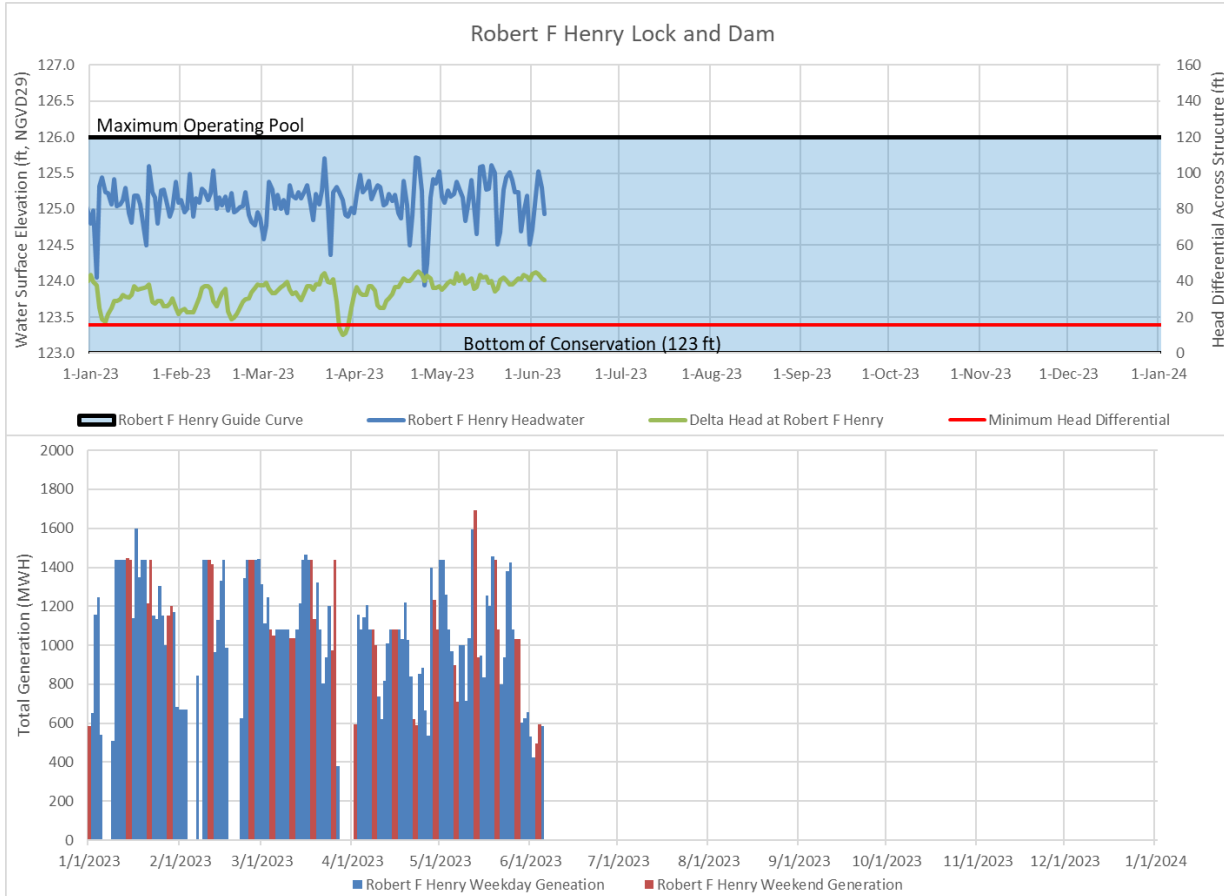


ALABAMA-COOSA-TALLAPOOSA (ACT)

LOWER ACT CURRENT CONDITIONS



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Water Levels are as of mid-night 06 June 2023

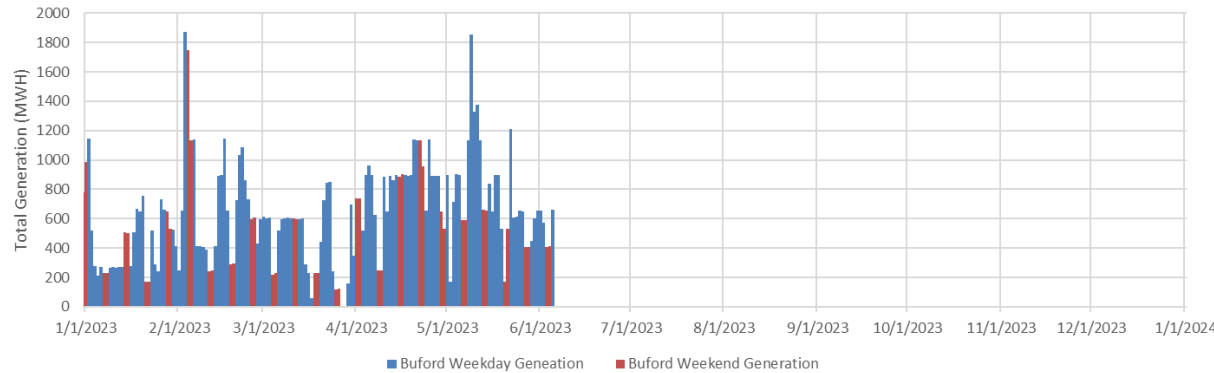
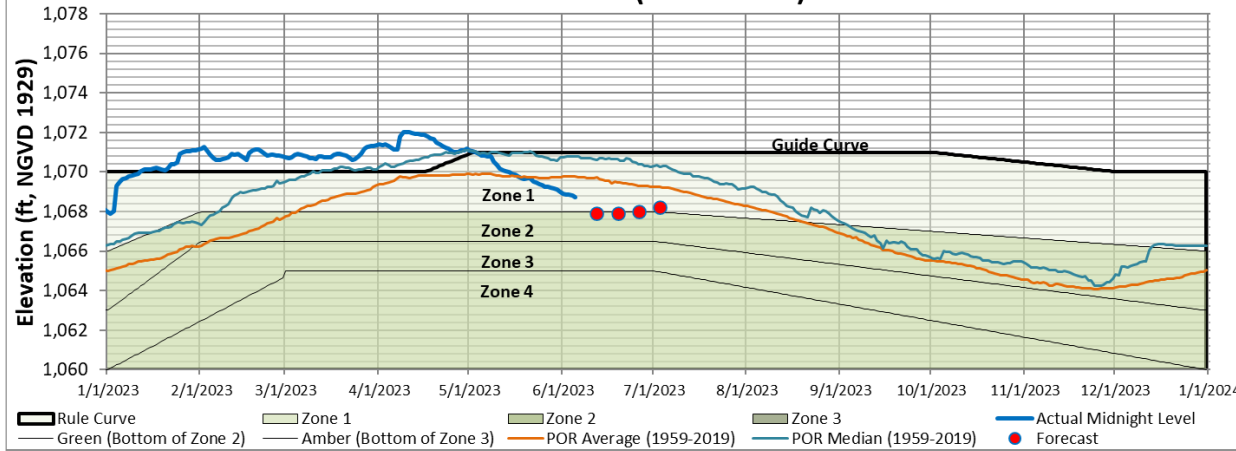


APALACHICOLA-CHATTAHOOCHEE- FLINT (ACF) CURRENT CONDITIONS AND FORECAST

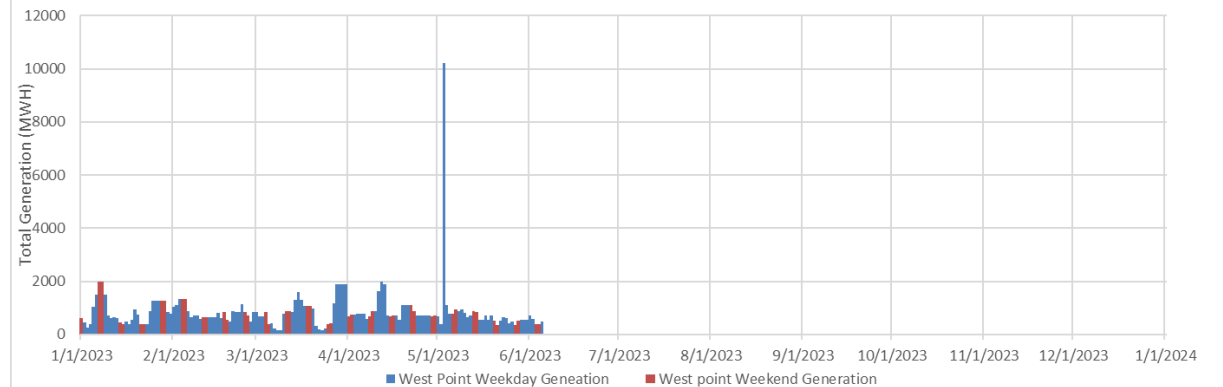
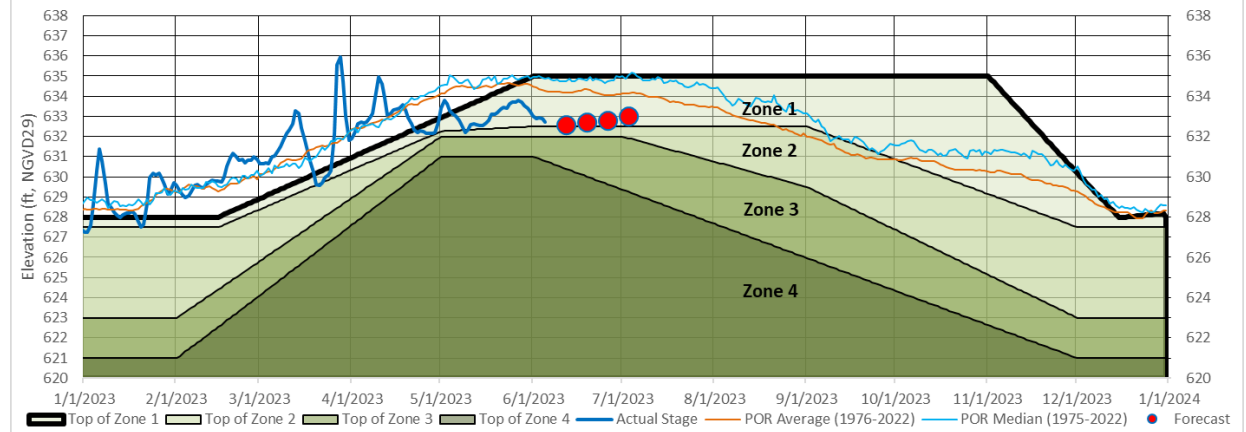


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BUFORD DAM (Lake Lanier)



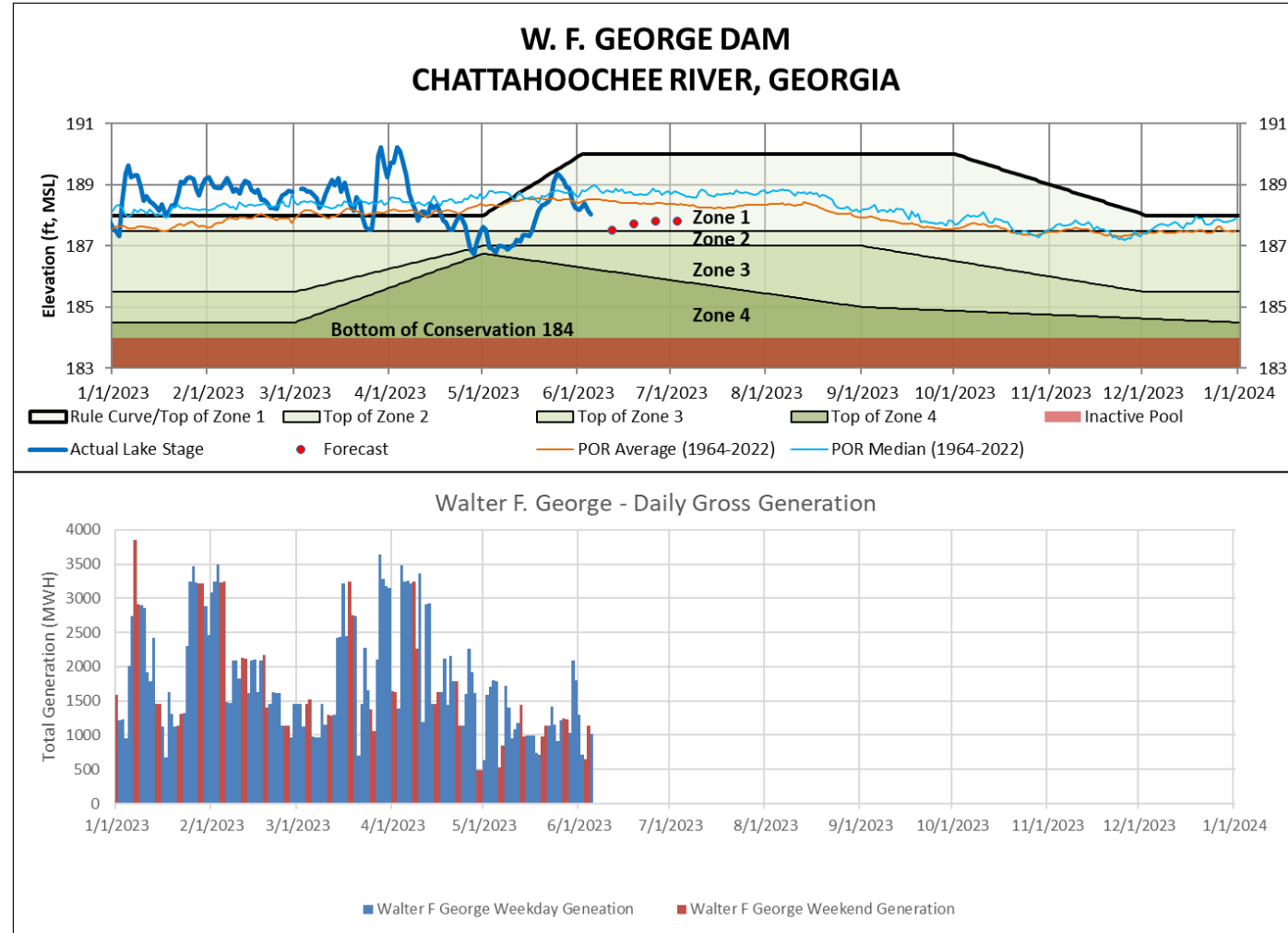
West Point Dam



Water Levels are as of mid-night 06 June 2023



APALACHICOLA-CHATTAHOOCHEE- FLINT (ACF) CURRENT CONDITIONS AND FORECAST CONTINUED



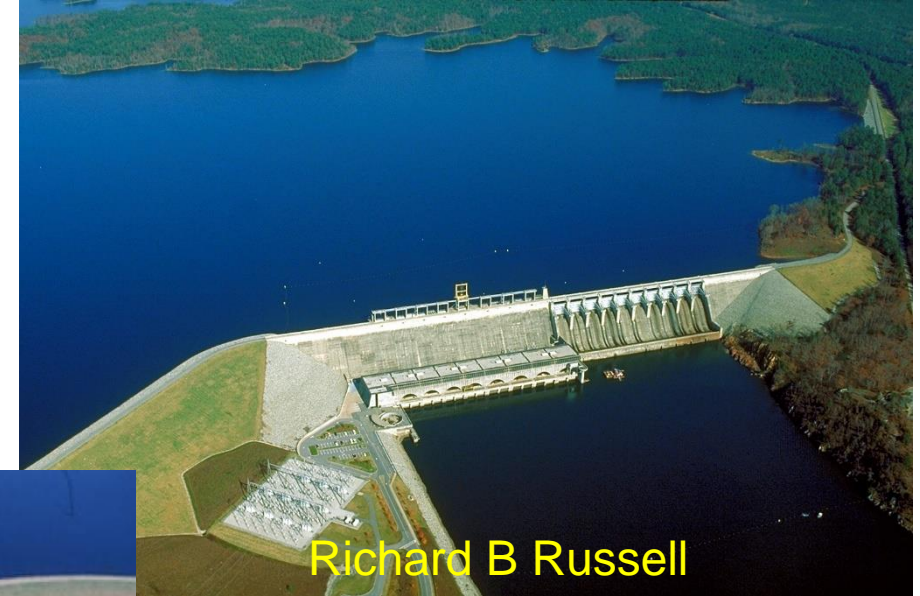
Water Levels are as of mid-night 06 June 2023



SAVANNAH RIVER BASIN



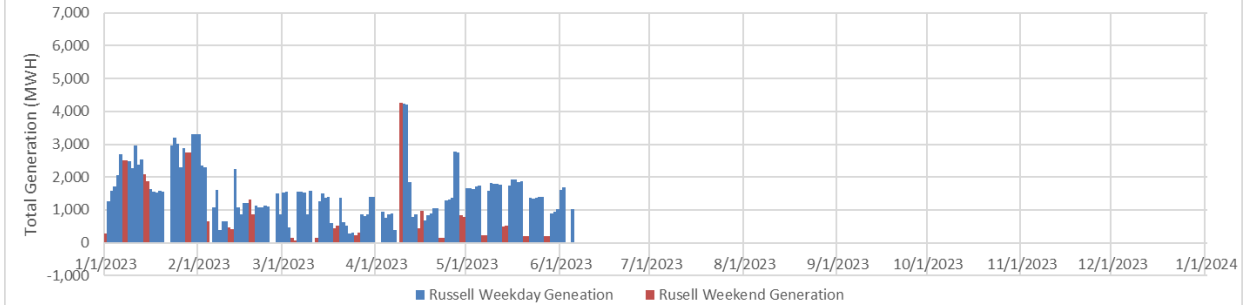
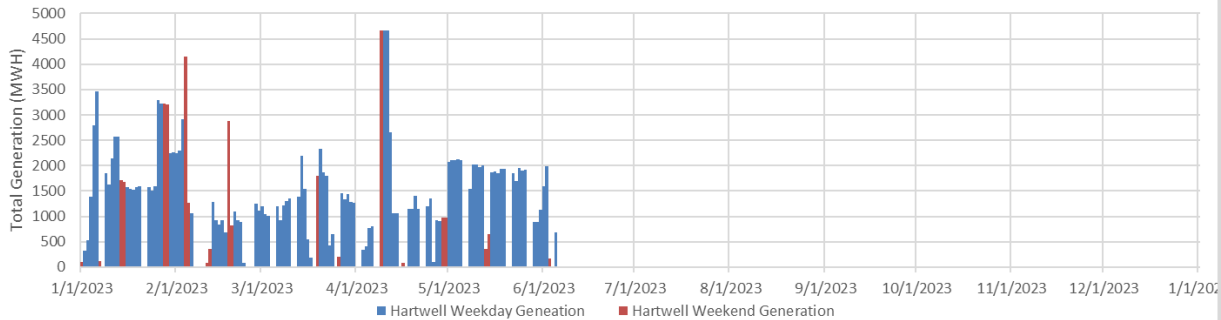
J Strom Thurmond



Richard B Russell



Hartwell

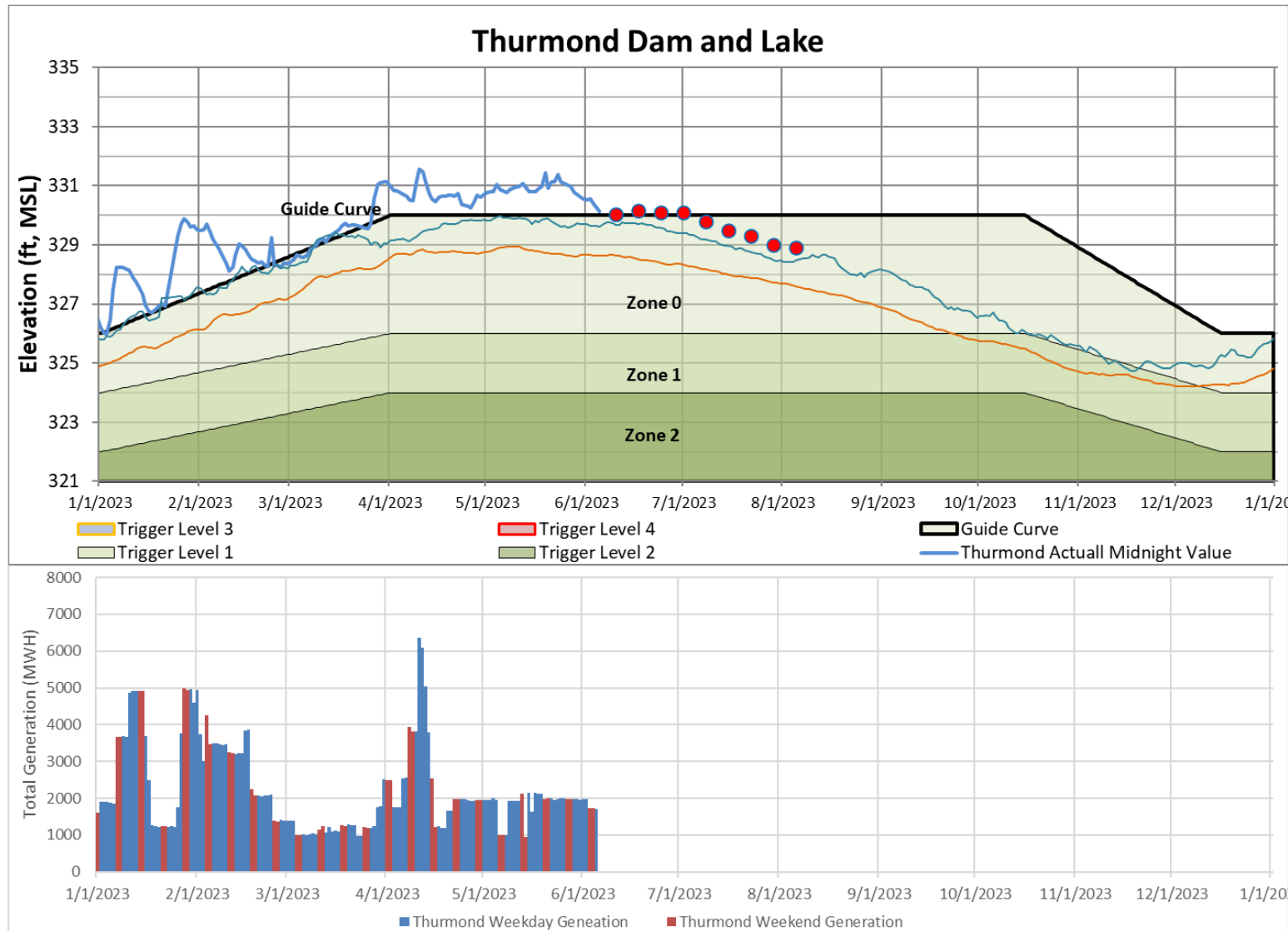


Water Levels are as of mid-night 6 November 2022



SAVANNAH RIVER CURRENT CONDITIONS AND FORECAST

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Water Levels are as of mid-night 6 June 2023



ROANOKE RIVER BASIN – TONY YOUNG

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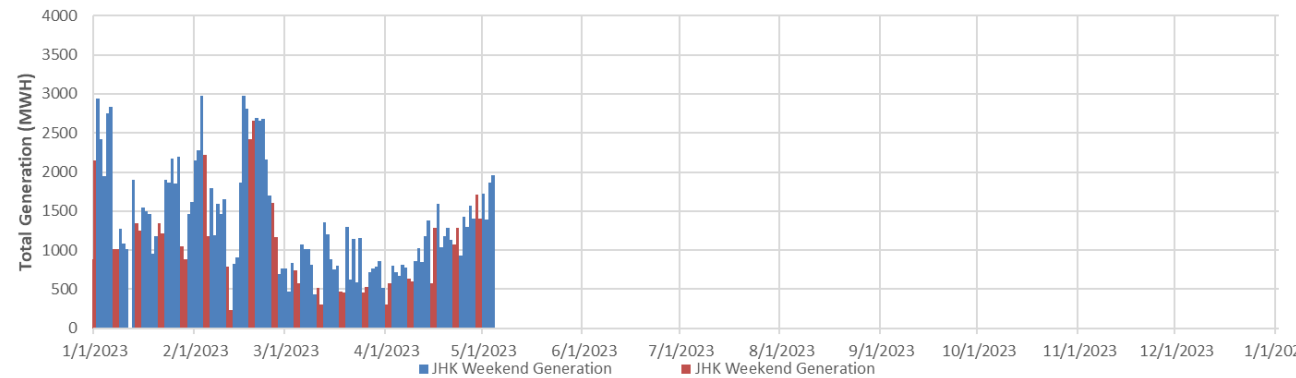
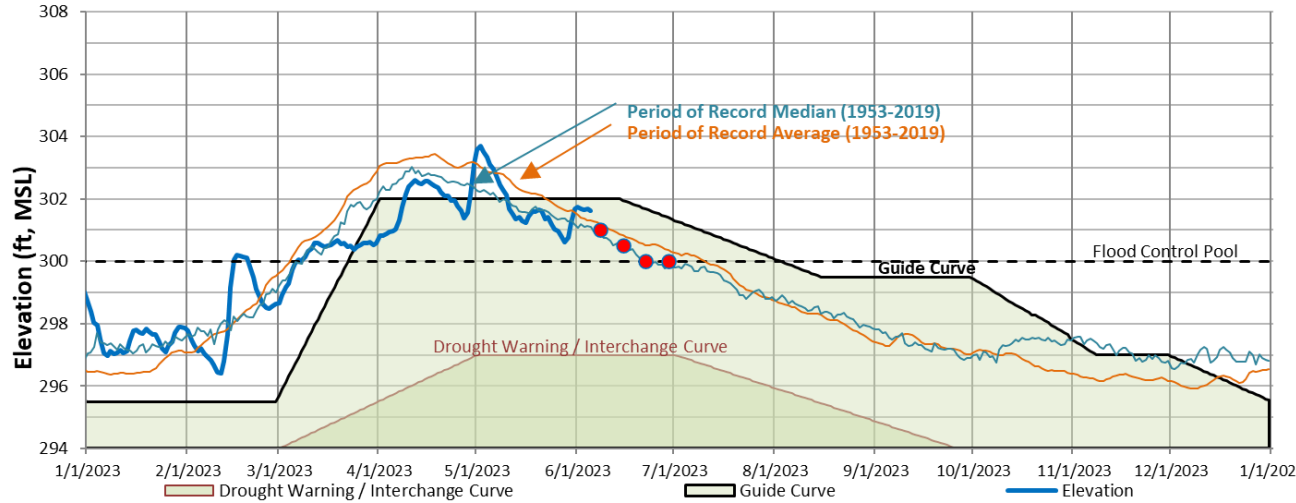
ROANOKE RIVER BASIN

CURRENT CONDITIONS AND FORECAST

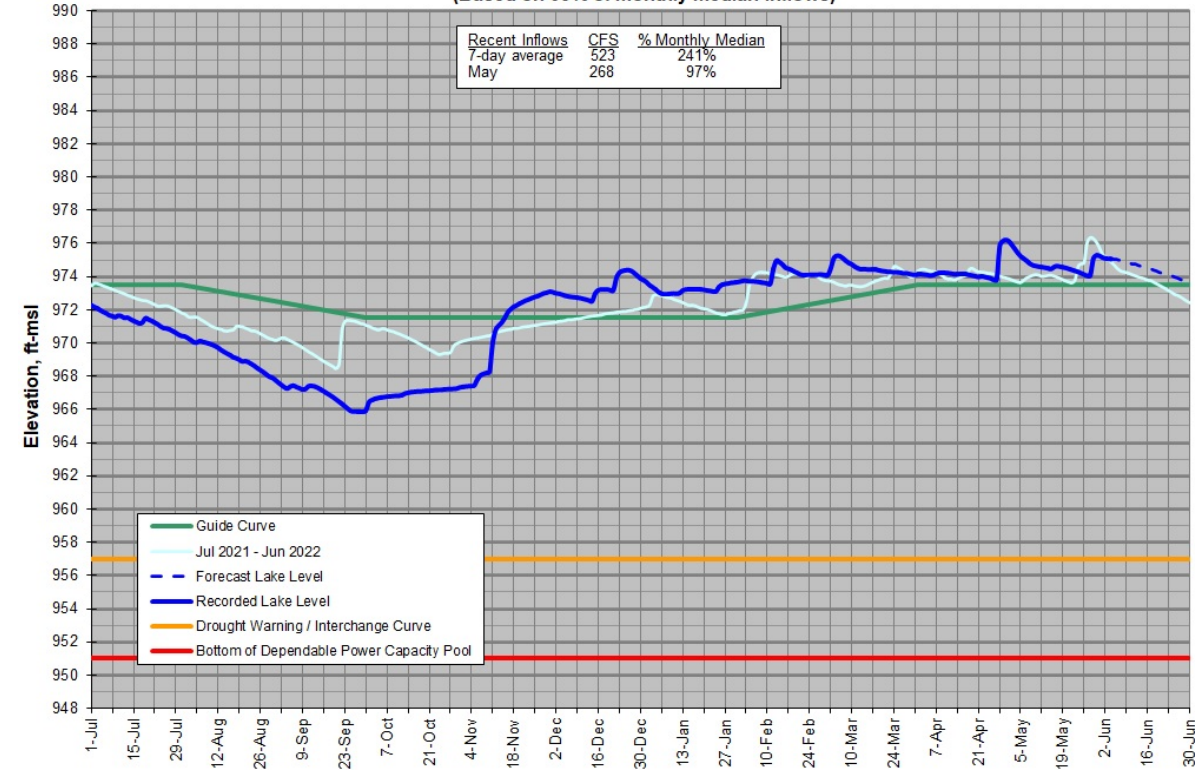
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JOHN H. KERR PROJECT



Philpott Lake Level Forecast -- 05 Jun 2023 (Based on 60% of monthly median inflows)



Water Levels are as of mid-night 6 June 2023



QUESTIONS

